

AMENDMENTS TO ABSTRACT

Please amend the Abstract of this invention beginning at page 49, line 2 as follows:

A freeway routing system ~~that connects~~ for connecting input and output ports of interface groups of tiles in ~~said a~~ field programmable gate array. The freeway system having a first set of routing conductors configured to transfer signals ~~to~~ between the input ports ~~of at least one~~ of interface ~~group~~ groups in a first tile of the field programmable gate array and ~~configured to transfer signals from the~~ output ports of interface groups of other tiles in the filed programmable gate array. The first set of conductors include vertical conductors that form intersections with horizontal conductors and programmable interconnect elements located at said intersections ~~vertical conductors and horizontal conductors in a diagonal orientation to connect each of the~~ horizontal conductors to one of the vertical conductors.